#### **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

Source:

Date Processed by STIC:

ENTERED



IFWP

RAW SEQUENCE LISTING DATE: 06/14/2006
PATENT APPLICATION: US/10/581,702 TIME: 10:47:46

Input Set : E:\Soq listing.app

Output Set: N:\CRF4\06142006\J581702.raw

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     5 <120> TITLE OF INVENTION: Gene Screen
     7 <130> FILE REFERENCE: 75901-01
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/581,702
C--> 9 <141> CURRENT FILING DATE: 2006-06-02
     9 <150> PRIOR APPLICATION NUMBER: PCT/GB2004/005078
    10 <151> PRIOR FILING DATE: 2004-12-03
    12 <150> PRIOR APPLICATION NUMBER: 0328048.4
    13 <151> PRIOR FILING DATE: 2003-12-04
    15 <160> NUMBER OF SEQ ID MOS: 202
    17 <170> SOFTWARE: PatentIn version 3.1
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    33 tgctgagaag cagtacaaag ggatcattga ttgtgtggtg agaatcccta aggagcaggg
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    35 cttcctctcc ttctggaggg gtaacctggc caacgtgatc cgttacttcc ccacccaagc
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    37 tctcaacttc gccttcaagg acaagtacaa gcagctcttc ttagggggtg tggatcggca
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    39 taagcagttc tggcgctact ttgctggtaa cctggcgtcc ggtggggccg ctggggccac
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    41 ctccctttgc tttgtctacc cgctggactt tgctaggacc aggttggctg ctgatgtggg
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    43 caggegege cagegtgagt tecatggtet gggegaetgt atcateaaga tetteaagte
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    45 tgatggcetg agggggetet accagggttt caacgtetet gtecaaggea teattateta
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    49 cgtgcacatt tttgtgagct ggatgattgc ccagagtgtg acggcagtcg cagggctgct
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     53 cgatattatg tacacgggga cagttgactg ctggaggaag attgcaaaag acgaaggagc
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    59 gatttacatg aacttgatct acaagttcac agatccattg tgtggtttaa tagactattc
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     61 ctaggggaag taaaaagatc tgggataaaa ccagactgaa aggaatacct cagaagagat
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75 <400> SEQUENCE: 2

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RAW SEQUENCE LISTING DATE PATENT APPLICATION: US/10/581,702 TI

DATE: 06/14/2006 TIME: 10:47:46

Input Set : E:\Seq listing.app

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				acttcaacag			300
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				gcctggccaa			420
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				ttggcatttt			660
	_			atttccacgt		_	720
100	cagcttggat	gaatgttttg	ccacatttgt	. cagctgttga	attccactca	gcttgggcta	780
102	tgggcatgag	ggtcaatttc	cttgcatcca	acatacatta	cccctcaaag	aaaatgacag	840
						aagacagaag	900
106	agggaaaact	cctcctctcg	caactggatt	cccacccatc	ccattctgca	gtggtgaact	960
						tttaaaggca	1020
						aattatacag	1080
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						gactcagctg	1260
	_	_				acccagtatg	1320
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						tggtagaata	1560
						aaaagaaaga	1620
						tttatttaga	1680
						tagattttat	1740
						atcaaataag	1800
						aagaactatc	1860
						acgtatcact	1920
						gttttttacc	1980
						ttacatgttg	2040
						aaataaggtc	2100
						gagtagggca	2160
						ttacaagcta	2220
						acttccagcc	2280
						gtactttgtt	2340
						cactactgtt	2400
						cagctggtct	2460
						tgatagtgaa	2520
	_	_				tttaagaaat	2580
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						tgatagactc	2700
						taacagccat	2760
						agtgatctat	2820
						ctaaaaagta	2880
172	ctatatcatc	caagaaatat	ttgagtaaaa	tcccttgttc	: ttttgggtga	cattaactga	2940

RAW SEQUENCE LISTING DATE: 06/14/2006
PATENT APPLICATION: US/10/581,702 TIME: 10:47:46

Input Set : E:\Seq listing.app

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191	tttcttatcg ccctgtactg	cctattctcc	ctctacgctg	cctaccacgt	cttcttcggg	180
193	cgccgccgcc aggcgccggc	cgggtccccg	cggggcctca	ggaagggggc	ggcccccgcg	240
195	cgggagagac gcggccgaga	acagtccact	ttggaaagtg	aagaatggaa	tccttgggaa	300
197	ggagatgaaa aaaatgagca	acaacacaga	tttaaaacta	gccttcaaat	attagataaa	360
199	tccacgaaag gaaaaacaga	tctcagtgta	caaatctggg	gcaaagctgc	cattggcttg	420
201	tatctctggg agcatatttt	tgaaggctta	cttgatccca	gcgatgtgac	tgctcaatgg	480
203	agagaaggaa agtcaatcgt	aggaagaaca	cagtacagct	tcatcactgg	tccagctgta	540
205	ataccagggt acttctccgt	tgatgtgaat	aatgtggtac	tcattttaaa	tggaagagaa	600
207	aaagcaaaga tettttatge	dacccagtgg	ttactttatg	cacaaaattt	agtgcaaatt	6.60
209	caaaaactcc agcatcttgc	tgttgttttg	ctcggaaatg	aacattgtga	taatgagtgg	720
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215	aattttcctg tggtggaggc	aagttggtca	atgctgcatg	atgagaggcc	atatttatgt	900
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	cggcaccgct atcgagtcct					300
	ccctcaacgg aggcaggagg					360
	atccttgagg gtccccagca					420
	ccccaccac agatecetee					480
	ccagtcacag ggcctaggtc					540
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264	ctggaggtgg acatggcttt	ggggtcgcca	gaaatggatg	tgcggaagaa	gaagaagaaa	660

RAW SEQUENCE LISTING DATE: 06/14/2006
PATENT APPLICATION: US/10/581,702 TIME: 10:47:46

Input Set : E:\Seq listing.app

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	aaagggaaag aaaccttcga					840
	gagcctctag aagacacagt					900
	gaagggatgg agccagagga					960
	ccactggagg aagccatccc					1020
	atggcaatga tggagccagg					1080
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	ctgaggaact aaagaaagct					1620
	aatcctccc cagagactgc					1680
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	tctccctag tgagagaaag					480
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						600
	ataaactcct gggaatcatc aatggtgaac tggtcatcca					660
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	tggtctaaag atgcagaata					900
	aaggaaaatg acagaatttt					960
	gaagccagtt ttttcggggc					1020
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RAW SEQUENCE LISTING DATE: 06/14/2006 TIME: 10:47:46 PATENT APPLICATION: US/10/581,702

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Output Set: N:\CRF4\06142006\J581702.raw

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362	atggagagcc	agaggcccca	cagcctgcta	aagcgagcag	tcctcagggt	tttgatgtgg	240
364	atcgagatgc	caaaaagctg	aacaaagcct	gcaaaggaat	ggggaccaat	gaagcagcca	300
366	tcattgaaat	cttatcgggc	aggacatcag	atgagaggca	acaaatcaag	caaaagtaca	360
368	aggcaacgta	cggcaaggag	ctggaggaag	tactcaagag	tgagctgagt	ggaaacttcg	420
370	agaagacagc	gttggccctt	chagaccatc	ccagcgagța	cgccgcccgg	cagctgcaga :	480
372	aggctatgaa	gggtctgggc	acagatgagt	ccgtcctcat	tgaggtcctg	tgcacgagga"	540
374	ccaataagga	aatcatcgcc	attaaagagg	cctaccaaag	gctatttgat	aggagcctcg	600
376	aatcagatgt	caaaggtgat	acaagtggaa	acctaaaaaa	aatcctggtg	tctctgctgc	660
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382	tggccaagag.	gagctacaag	cagttacgag.	ccacctttca	agcctatcaa	attctcattg	840
384	gcaaagacat	agaagaagcc	attgaagaag	aaacatcagg	cgacttgcag	aaggcctatt	900
386	taactctcgt	gagatgtgcc	caggattgtg	aggactattt	tgctgaacgt	ctgtacaagt	960
388	cgatgaaggg	tgcggggacc	gatgaggaga	cgttgattcg	catagtcgtg	accagggccg	1020
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400	tgcgtgggca	gggcaccttg	aactctggct	tagcaagcat	ctaggctgcc	tcttcacttt	
		ggtaactgga					1440
		tgtaatggca					1500
406	agacaaaatt	aaacaattta	ttaattttcc	ttctgtgtgt	tcaatttgaa	agcctcattg	1560
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/14/2006
PATENT APPLICATION: US/10/581,702 TIME: 10:47:47

Input Set : E:\Seq listing.app

Output Set: N:\CRF4\06142006\J581702.raw

#### Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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  Seg#:81; N Pos. 7240
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  Seq#:89; N Pos. 500,885,1090,1098,1127,1130,1150
  Seq#:91; N Pos. 510
  Seq#:97; N Pos. 422,429,431,435,447,468,477
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  Seq#:123; N Pos. 422,429,431,435,447,468,477
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  Seq#:155; N Pos. 340,366,384,394,410,419
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  Seq#:193; N Pos. 4125,4197,4198,4199,4200,4211,4234,4235,4236,4238,11593
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## VERIFICATION SUMMARY DATE: 06/14/2006 PATENT APPLICATION: US/10/581,702 TIME: 10:47:47

Input Set : E:\Seq listing.app

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  L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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 L:2357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
 L:2484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:1500
 L:4723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
 L:4725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:60
L:5561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:0
 L:5577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:480
 L:5579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:540
 L:6687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:7200
  L:6892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
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L:12207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:360
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 L:12316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:360 L:12389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159 after pos.:900
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 L:13797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:540
 L:13963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:540
 L:13965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:600
  L:13967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:660
  L:13975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:900
```

### VERIFICATION SUMMARY DATE: 06/14/2006 PATENT APPLICATION: US/10/581,702 TIME: 10:47:47

Input Set: E:\Seq listing.app
Output Set: N:\CRF4\06142006\J581702.raw

```
L:14803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4080
L:14805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4140
L:14807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:4200
L:15053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:11580
L:15063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:11880
L:15131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:13920
L:15313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:420
L:15315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:480
L:15317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:540
```

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